OHW Development in Africa

The experience of One Health Central and Eastern Africa (OHCEA)

SEAOHUN 2018 International Conference “One Health Academic Challenges: Preparing today’s workforce to combat tomorrow’s infectious diseases”
Hanoi Medical University, Vietnam

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Championing One Health

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Presentation Overview

1. About OHCEA Network
2. Approach to Workforce Development
3. Network Achievements
4. Challenges and Opportunities
5. A case of OHCEA – Tanzania
About OHCEA Network
UNIVERSITIES

1. University of Montagnes
2. University of Buea
3. University of Kinshasa
4. University of Lubumbashi
5. Jimma University
6. University of Addis Ababa
7. Mekelle University
8. University of Nairobi
9. Moi University
10. University of Rwanda
11. Univ. of Global Health Equity
12. Univ. of Cheikh Anta Diop
13. Muhimbili University of Health & Allied Sciences
14. Sokoine Univ. of Agriculture
15. Mbarara University
16. Makerere University
Team Support

DEV’T PARTNERS
- USAID
- SANDIA/DTRA
- IDRC

TECH PARTNERS
- UMN
- Tufts
- Tulane Uni.
- WHO
- CDC
- FAO
- EPT 2

Executive Board
- 9 Members
- Quarterly meetings

8 Governments
Regional Bodies

Leadership Summit
- 24 Deans/Directors
- Meet twice a year

Partners

Country Secretariat
- Deans | Directors
- Principals
- Focal Person
- Activity Leads
- Admin

Regional Secretariat
- PI & Co-PI
- Technical Team
- Admin Team
Mission: To drive transformational change for continuous improvement of health and well-being of humans, animals, and environment through OH principles and approach to research, training and community service.

Vision: A Global one health leader championing sustainable health for humans, animals & environment.

Pillar 1: EDUCATION AND CAPACITY BUILDING

Pillar 2: RESEARCH, INNOVATIONS AND COMMUNITY SERVICE

Pillar 3: RESOURCE MOBILISATION & PARTNERSHIPS

Pillar 4: ORGANISATIONAL & NETWORK STRENGTHENING

OHCEA’s APPROACH: ONE HEALTH IS AN APPROACH AND NOT ANOTHER DISCIPLINE
Approach to Workforce Development
A workforce that has:

1) The **technical competencies** needed to support national governments to achieve international standards (JEE, IHR and PIE/PVS) and

2) The essential **cross-sectoral competencies** needed to prevent, detect and respond to complex health threats efficiently and effectively.

3) Shriving in an **enabling environment**
One Health Worker

A One Health worker needs technical skills, multi-sectoral skills and an enabling environment

<table>
<thead>
<tr>
<th>TECHNICAL COMPETENCE</th>
<th>MULTI-SECTORAL COMPETENCE</th>
<th>ENABLING ENVIRONMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Public Health</td>
<td>• Management</td>
<td>Mutually agreed upon goals</td>
</tr>
<tr>
<td>• Veterinary</td>
<td>• Leadership</td>
<td>Appropriate roles &amp; responsibilities</td>
</tr>
<tr>
<td>• Nursing</td>
<td>• Communication</td>
<td>Collaborative Resources</td>
</tr>
<tr>
<td>• Medical</td>
<td>• Collaboration &amp; Partnership</td>
<td>Shared - MoUs, SoPs, Data Management, Protocols</td>
</tr>
<tr>
<td>• Environment</td>
<td>• Culture &amp; Beliefs</td>
<td></td>
</tr>
<tr>
<td>• Wildlife</td>
<td>• Values &amp; Ethics</td>
<td></td>
</tr>
<tr>
<td>• Community Health</td>
<td>• Gender</td>
<td></td>
</tr>
<tr>
<td>• Others</td>
<td>• Systems Thinking</td>
<td></td>
</tr>
</tbody>
</table>
OHCEA Implementation Strategy

**Government Engagement**
- Evidence based assessment
- Workforce planning
- Country driven workforce plans
- Policy communication

**Institutional Strengthening**
- Organizational Development (OD) for 24 institutions
- University One Health (OH) Strategy/Policy
- OH Curricula
- Curricula delivery
- Faculty Development

**Training and Education**
- Pre-service training
- In-service training
- Scholarships
- Student One Health Innovation clubs
- Innovative/flexible degree programs
- OH-PBL Case Studies
- Student Case Competition

**Improved Gov’t Systems**
- Field Ready One Health Workforce
- Enabling Environment (supportive policies, resources, tools)
- Healthier, Safe and Engaged Communities
One Health Training

Classroom
- Student exposure to OH Principles and Concepts
- Multi-disciplinary teams

Attachment / Placements
- Undergraduate student attachment to OH Demo Sites
- Graduate students placements
- Mentoring

Service
- Outbreak response
- Public Health interventions
- Mentorship

Theoretical | Experiential Learning | OH in Action
Selected Network Achievements
ACTIVITY CATEGORIZATION BY TYPE OF TARGET BENEFICIARIES

<table>
<thead>
<tr>
<th>Activity</th>
<th>Students</th>
<th>Faculty</th>
<th>In-service</th>
<th>OHW staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>5,429 Trainings</td>
<td>68%</td>
<td>18%</td>
<td>14%</td>
<td>1%</td>
</tr>
<tr>
<td>5,546 Experiential learning</td>
<td>97%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>1,348 Curriculum &amp; Course</td>
<td>60%</td>
<td>20%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>development</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>500 Government Engagement</td>
<td>In-service 64%</td>
<td>Faculty 29%</td>
<td>OHW staff 7%</td>
<td></td>
</tr>
<tr>
<td>351 Organizational Development</td>
<td>Faculty 87%</td>
<td>OHW staff 9%</td>
<td>In-service 4%</td>
<td></td>
</tr>
</tbody>
</table>
NUMBER OF PARTICIPANTS PER ACTIVITY (5,429)

<table>
<thead>
<tr>
<th>Activity</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDM</td>
<td>3,529</td>
</tr>
<tr>
<td>Risk Analysis &amp; Management</td>
<td>424</td>
</tr>
<tr>
<td>Curriculum design</td>
<td>170</td>
</tr>
<tr>
<td>AMR</td>
<td>166</td>
</tr>
<tr>
<td>Monitoring &amp; Evaluation</td>
<td>188</td>
</tr>
<tr>
<td>Gender, OH &amp; IDM</td>
<td>182</td>
</tr>
<tr>
<td>OH leadership</td>
<td>94</td>
</tr>
<tr>
<td>Staff exchange</td>
<td>24</td>
</tr>
<tr>
<td>OH competencies</td>
<td>18</td>
</tr>
<tr>
<td>Research</td>
<td>18</td>
</tr>
<tr>
<td>Problem Based Learning</td>
<td>18</td>
</tr>
<tr>
<td>Grants writing</td>
<td>17</td>
</tr>
</tbody>
</table>
EXPERIENTIAL LEARNING

Activities conducted:

- Field attachments
- Outbreak investigations
- Community outreaches
- Case competitions
- Activities to Mark the International One Health Day

5,374 Students benefited

36% Females

64% Males

89
Review of veterinary curricula
Adaptation of Standardized Experiential Learning Materials
Develop OH Problem Based Learning case studies
Integration of OH modules into courses
Development of training modules for laboratory
Strengthening veterinary master’s training in Wildlife Disease Management
Developed 16 One Health Modules.
Field Experiential Learning Guide.
Student One Health Innovation Clubs (SOHIC)

- 13 SOHICs in 8 countries
- Awareness campaigns – Rabies vaccination campaign
- 810 dogs and 36 cats were vaccinated
- Won national and International awards
• One Health Infrastructure: OHCEA as a platform bringing together 16 universities (24 institutions)

• Capacity of OH champions built in the institutions through use of activity leads (an average 30 per country leading change in OH training)

• Sustained interest and focus of OH in the institutions and the region
OTHER ACHIEVEMENTS

• Technical Input to Regional One Health processes:
  ✓ Member of Africa One Health Congress
  ✓ Member of Technical Working for AU-IBAR Animal Health Strategy
  ✓ Partner shaping the EAC One Health Process
  ✓ Membership to One Health National Platforms
Network Success Factors

1. Core leadership of visionaries
2. Governance structures
3. Support functions – regional and country secretariats and partners
4. Institutional policies and mechanisms
5. South to South Technical Support
6. Government support
7. Champions to run the vision
8. Conducive environment that allows for innovation at different levels – students, faculty, secretariat
9. Support from USAID – technical and Financial
10. Members’ commitment to network’s vision & mission
Challenges and Opportunities
Challenges

- High demand to join the network amidst limited resources
- Resource mobilization challenges
- Competing needs and priorities of different stakeholders at institutional, country, network & partner’s level
- Donor dependency
- Thin human resource: The need for separation of administrative and finance function at country. Focal Persons not full time
- OHCEA has no home
- Harmonizing program activities with university schedules
- Varying university systems
Opportunities

Opportunities for partnership to:

- Building centers of excellence around emerging key themes, such as – Infectious Diseases, AMR,

- Strengthen Documentation and Communication

- Strengthen Research

- Sustained Government Engagement

- Strengthen systems – OD, network marketing

- Institutionalization of best practices and proven concepts
From us at OHCEA!

THANK YOU